

Title (en)  
Weldable mount for fuel system component

Title (de)  
Schweisssbare Halterung für eine Kraftstoffsystem- Komponente

Title (fr)  
Support soudable pour des composants du système de carburant

Publication  
**EP 1123828 A2 20010816 (EN)**

Application  
**EP 01301148 A 20010209**

Priority  
US 18174700 P 20000211

Abstract (en)  
A vent apparatus (10) is adapted to be coupled to a fuel tank (12) and includes a valve housing (26) made of a non-weldable plastics material and containing a valve (44). The vent apparatus (10) further includes a tank mount (28) made of a weldable plastics material and coupled to the valve housing (26). The tank mount (28) is adapted to be welded to an underlying fuel tank (12) to support the valve housing (26) within a mounting aperture (32) formed in the fuel tank (12). The tank mount (28) is coupled to the valve housing (26) by a retainer ring (30) formed to include an annular channel (58) opening toward the valve housing (26). The valve housing (26) includes an annular upper flange (54) extending into an upper region of the annular channel (58) formed in the retainer ring (30). The tank mount (28) includes an annular lower flange (68) extending into a lower region of that annular channel (58) to mate with the overlying annular upper flange (54) and trap a flange seal (74) therebetween. <IMAGE>

IPC 1-7  
**B60K 15/035**

IPC 8 full level  
**B60K 15/035** (2006.01)

CPC (source: EP US)  
**B60K 15/03519** (2013.01 - EP US); **B60K 2015/03447** (2013.01 - EP US); **Y10T 137/0874** (2015.04 - EP US); **Y10T 137/3099** (2015.04 - EP US); **Y10T 137/86324** (2015.04 - EP US)

Citation (applicant)  
• US 4966189 A 19901030 - HARRIS ROBERT S [US]  
• WO 9927284 A1 19990603 - STANT MFG CO [US], et al  
• WO 0007309 A1 20000210 - CELERITY SYSTEMS INC [US]  
• US 5404907 A 19950411 - BENJEY ROBERT P [US], et al  
• US 5130043 A 19920714 - PRINCE MARK J [US], et al

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 1123828 A2 20010816**; **EP 1123828 A3 20021016**; **EP 1123828 B1 20060802**; CA 2335165 A1 20010811; CA 2335165 C 20050712; DE 60121839 D1 20060914; DE 60121839 T2 20070906; ES 2269311 T3 20070401; US 2001032670 A1 20011025; US 6431200 B2 20020813

DOCDB simple family (application)  
**EP 01301148 A 20010209**; CA 2335165 A 20010209; DE 60121839 T 20010209; ES 01301148 T 20010209; US 78077001 A 20010209